

Claims:

1. A clamp for connecting a force exerting device to a non-linear portion of a vehicle for performing vehicle repair, comprising:

a plurality of relatively movable jaws and means for tightening said jaws on a portion of a vehicle;

at least one of said jaws comprising a plurality of clamp segments comprising means for connecting one of said clamp segments to another clamp segment; and

means for connecting said jaws to a force exerting device.

2. A clamp according to claim 1 wherein said connecting means comprises a hinged connector.

3. A clamp according to claim 2 wherein said hinged connector comprises a bolt passing through a portion of at least one of said segments.

4. A clamp according to claim 3 wherein said clamp segments comprise a step.

5. A clamp according to claim 4 wherein said steps are disposed in overlapping relation and said hinge connector through said overlapping portions of said clamp segments.

6. A clamp according to claim 1 wherein said clamp segments comprise a step.

7. A clamp according to claim 6 wherein said steps are disposed in overlapping relation and said hinge connector through said overlapping portions of said clamp segments.

8. A clamp according to claim 1 comprising clamp pads and means for removably connecting said clamp pads to said clamp segments.

9. A clamp according to claim 1 comprising clamp pads comprising a knurled surface on at least one side.

10. A clamp according to claim 1 wherein said clamp segments comprise at least one knurled surface.

11. A clamp according to claim 1 wherein at least one of said clamp segments comprises an arcuate gripping portion.

12. A clamp according to claim 1 wherein at least one of said clamp segments comprises a non-linear gripping portion.

13. A clamp according to claim 1 wherein at least a plurality of jaw segments comprise non-linear gripping portions

14. A clamp according to claim 1 wherein at least one of said jaw segments comprises a non-linear gripping portion.

15. A clamp according to claim 1 wherein each of the jaw segments comprises a non-linear gripping portion.

16. A clamp according to claim 1 wherein at least one of said clamp segments comprises a linear gripping portion.

17. A clamp according to claim 1 wherein a plurality of jaw segments comprise a linear gripping portion.

18. A clamp according to claim 1 wherein said jaw segments comprise a linear gripping portion.

19. A clamp according to claim 1 wherein all of the jaw segments comprise a linear gripping portion.

20. A clamp for connecting a force exerting device to a curved portion of a vehicle for performing vehicle repair, comprising:

a plurality of relatively movable, non-linear jaws and means for selectively tightening said jaws on a portion of a vehicle; and

means for connecting said jaws to a force exerting device.

21. A clamp according to claim 20 comprising clamp pads and means for removably connecting said clamp pads to said clamp segments.

22. A clamp according to claim 20 comprising clamp pads comprising a knurled surface on at least one side.

23. A clamp according to claim 20 wherein said jaws comprise at least one knurled surface.